

CENTRAL INTELLIGENCE AGENCY

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INFORMATION REPORT

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COUNTRY Czechoslovakia

REPORT

SUBJECT Uranium Mines in Horni Slavkov

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REFERENCES

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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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A. General Survey:

1. Pit No. 1: No. 1 is really a drift, depth unknown. Only civilian employees work in this pit. Numbers not known. Mainly experimental borings are believed to be carried out here.
2. Pit No. 2: Only civilians work here, and it is a drift. Number of employees and output unknown. Experimental borings are believed to be carried out here.
3. Pit No. 7:
 - a. Mostly prisoners work in this pit; there are about 350 of them and they come from the camp near Pit No. 12. There are about 140 civilian employees.
 - b. The pit has four levels. The first level is connected by a tunnel to the east with Pit No. 15, and the second level by a tunnel to the northeast with Pit No. 14. Most of the material is transported through Pit No. 15 to Pit No. 11. About 4,000 kg. of ore is taken from Pit No. 7 every day by a Skoda 6.5-ton truck.
 - c. Of the material mined, about 65% is radioactive material and 35% ore, brown and black only.
 - d. Eight pressure pumps, one pneumatic windlass, main windlass, two air compressors, 160 drills.
 - e. Electric current comes from Pit No. 11, requirement about 370 Kwh.

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STATE	x	ARMY	x	NAVY	x	AIR	x	FBI		AEC	x	OSI/NED	x	ORR	x
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(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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4. Pit No. 8: See separate section(F, below).
5. Pit No. 9: See separate section(C, below).
6. Pit No. 10: See separate section(D, below).
7. Pit No. 11: See separate section(G, below).
8. Pit No. 12:
 - a. The pit was flooded in October 1951. About 350 prisoners from the camp by the pit work here. There are about 80 civilian employees.
 - b. The pit has three levels and a fourth is being made.
 - c. The first level is connected by a tunnel to the east with Pit No. 13, and with Pit No. 14 by a tunnel to the west.
 - d. The second level is connected with Pit No. 11 by a tunnel to the southwest and a branch goes off to Pit No. 8.
 - e. There is both brown and black ore in the pit. Daily production is about 4,000 kg. of material, of which 80% is radioactive material and 20% ore.
 - f. The ore is taken away in a Skoda 6.5-ton truck.
 - g. One main windlass, two air compressors, six water-pressure pumps, one distributing station, 500-volt, 130 drills of various kinds, 20 reserve drills.
 - h. Electricity is brought from Transformer I in the Barbora Mine. Consumption varies around 320 Kwh.
9. Pit No. 13:
 - a. The pit has four levels, and a fifth is being sunk. About 350 prisoners from the camp work in Pit No. 13 and about 80 civilians employees.
 - b. The first level is connected by a west tunnel with Pit No. 12 and with Barbora Mine by a southeast tunnel.
 - c. The second level is connected by a tunnel to the east with Leznice and with Pit No. 12 by a tunnel to the west.
 - d. The third level has western and eastern tunnels. The fourth floor has no tunnels.
 - e. There is only black and brown ore in the pit. All the material and the ore is taken to the Barbora Mine, where it is included in the amount of material already brought out.
 - f. One main windlass, two air compressors, four pumping stations, one distributing station, 150 drills of various types, 30 reserve drills.
 - g. The electricity comes from Transformer I in the Barbora Mine. Load is about 300 Kwh.
10. Pit No. 14:
 - a. About 420 prisoners from the camp near Pit No. 12 work in the pit. There are about 150 civilian employees.
 - b. The pit has five levels.

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- c. The first level is connected with Pit No. 11 by a south tunnel and with Pit No. 12 by a tunnel to the east.
- d. The second level is connected with Pit No. 7 by a tunnel to the west and with Pit No. 8 by a tunnel to the southeast.
- e. The third level is connected by an east tunnel with Pit No. 13, and a branch goes off from this tunnel to Pit No. 12, and by a west tunnel with Pits Nos. 11, 8, and the Prokop Mine. At the crossroads of these tunnels is the main supply store for Prokop, 8, 15, 11, 14, 12 and 13 pits.
- f. The fourth level has two blind alleys, that is, tunnels looking for veins. These two blind alleys cut across some other tunnels connecting neighboring Pits.
- g. Ore shafts: One to three levels; 37 ore shafts in all, 26 cuttings.
- h. The tunnels leading southeast from the 2nd and 1st levels follow the veins of ore.
- i. On the first level at shafts F 61 and B 61, a brick-red variety of ore has been found.
- j. On the second level, at shafts 27, 17, and 14, there is also red ore. In the pit there is brown, black, and red ore. The percentages of the total amount mined are 40% black ore, 35% brown ore, and 25% red ore.
- k. The black and brown ore is taken by a Tatra 111 truck to the sorting shop at the Barbora Mine.
- l. The red ore, if any is mined, is taken away after each shift in a Tatra 111 truck to Horni Zdar.
- m. Of the material taken to the Barbora Mine, about 72% is radioactive material and 28% ore.
- n. In the mine there are about 200 drills of various kinds, including the reserve, one main windlass, six pneumatic windlasses of which two are working, five pumping stations (10 pumps), three Russian pneumatic excavators.
- o. Electricity comes from Transformer I in the Barbora Mine. Load 350 Kwh.

11. Pit No. 15:

- a. About 350 prisoners from the camp near Pit No. 12 work in the pit. There are about 80 civilian employees.
- b. The pit has four levels, a fifth is being sunk.
- c. The first level is connected by a tunnel to the east with Pits Nos. 11 and 18, and by a tunnel to the west with Pit No. 7.
- d. The second level is connected by a tunnel to the east with Pit No. 14 and the northwest tunnel is blind, leading in the direction of Pit No. 2.
- e. The third and fourth floors are connected with the side Pits 11 and 7 by a single-rail track.
- f. There are about 40 shafts in all in the whole pit, which has only brown and black ore.

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- g. The ore is taken away every day in a Praga RN 2.5-ton truck to the sorting room in the Barbora Mine. The truck takes on the average about 55 barrels a day. Only the ore mined from the third level downwards is taken away.
- h. One main windlass, two air compressors, four pumping stations, 150 drills, including the reserve.
- i. Electricity comes from a newly built transformer standing behind Pits No. 14 and 11. The load is 280 Kwh.

12. Pits. Nos. 16, 17, 18, and 19:

- a. These pits were opened at the beginning of 1952.
- b. All these pits, i.e. 16, 17, 18, and 19, are connected to the 6,000-volt line which comes from the new transformer connected to the Loket step-up transformer.

13. Pits Nos. 20, 21, and 22 were begun in August 1953. In February 1953, a line with a transformer was laid in these pits.

14. Svatoopluk Mine: There are believed to be about 500 prisoners and 90 civilian employees in the pit. The pit has four levels.

15. Leznice Mine:

- a. There are about 450 prisoners from a camp attached to it in the pit. There are about 65 civilian employees.
- b. The pit has four levels, and a fifth is being sunk.
- c. The first level is connected with the Svatoopluk Mine by a tunnel to the southeast.
- d. The second level is connected with the Barbora Mine by a tunnel to the west.
- e. The third level has blind tunnels.
- f. The fourth level is connected with the Barbora Mine by a tunnel to the southwest, and by a cutting with the tunnel to Pit No. 13.
- g. The ore in the pit is black and brown only. Twice a day it is taken by a Tatra 111 truck to the sorting shop at Barbora Mine. About 10,000 kg. of material are taken out daily. Of this, 50% is radioactive material and 50% ore.
- h. One large windlass, two air compressors, four pumping stations, two pneumatic excavators, Russian, two pneumatic windlasses, 190 drills, including the reserve.
- i. The Leznice Mine has its own transformer connected to the distributor at Barbora II. Load 320 Kwh.

B. Barbora Mine, Horni Slavkov:

- 16. The mine is located on the western edge of the line going round Horni Slavkov, and extends in a westerly direction.
- 17. The area is fenced with a double barbed-wire fence. The space between the two fences is strewn with white sand.
- 18. About 230 civilian employees, including brigade workers, work in the pit, about 20 women, and about 650 prisoners from the Prokop Camp.

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19. Mechanical Equipment:

- a. Main windlass, two 50-Kwh motors, 720 revolutions. Electric brake. One 60,000/3,000 transformer, a distributor for 500 volts.
- b. Two Russian pneumatic excavators.
- c. Three American excavators.
- d. Seven Czech pneumatic windlasses.
- e. Six pumping stations with 12 pumps. Capacity of these:
6 pumps 1,000 liters per minute
2 pumps 1,200 liters per minute
2 pumps 850 liters per minute
2 pumps 800 liters per minute.
- f. One reserve pump: Capacity 1,000 liters per minute.
- g. One reserve pump: Capacity 1,200 liters per minute.
- h. Four hundred fifty Czech and American pneumatic drills (including the reserve).
- i. Seven battery-operated locomotives, Czech.
- j. Two air compressors, 32 Kwh, one Russian and one Czech.
- k. Sorting shop: Two mechanical cleaning machines. Both machines are driven by four 50-hp motors in all.

20. Power:

- a. The pit's consumption varies between 650 and 700 Kwh. In exceptional cases the load reaches 800 Kwh.
- b. The electricity comes from the joint Ervenice and Cheb networks by a 60,000-volt line.
- c. The pit has its own transformers.

21. Material for consumption is brought from the central storehouses in Horni Slavkov.

22. The norm is 26,000 kg. radioactive material and ore per shift. In the cleaning shop, however, only ore and radioactive material up to 45% quality is treated. Higher-quality material is taken direct to Horni Zdar.

23. The sorted material is taken in Tatra 111 trucks to Horni Zdar. It is packed partly in barrels and partly in crates. Eight truck-loads are taken daily. Each truck always carries 120 barrels or crates. Each barrel or crate holds 80 kg. The trucks go twice a day, except for four days a week, when they go three times.

24. Shortage of ore cars, lack of air in the lower levels, shortage of current, and of mechanical equipment (drills, windlasses, props) are all difficulties encountered.

25. On the average, the Five-Year Plan is 85% fulfilled.

26. No information is available on wages since the currency reform.

27. Management:

- a. Foremen: Bratko, Alois, Slovak, Communist, average.
Krandl (fnu), dangerous Communist, informer, unpopular,
Slovak from Pezinky.
Antal (fnu), Communist, behaves decently to the prisoners.

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Bozik (fnu), Communist, treats the prisoners decently,
very popular, Yugoslav.
Riha (fnu), Communist, a decent man.

b. Head foreman:

Ramaseter (fnu), member of the StB, appointed foreman by the Russians and the StB. Behaves very decently to the prisoners in the mine, gives them cigarettes, curses the régime, and watches their behavior. If anyone answers him affirmatively, he immediately disappears without trace after his arrival at the camp. He has been at the mine since May 1952.

c. Russians:

Eng. Vasil Vasilyevich Vlasenko, works at the OTK (Expert Technical Control), behaves decently, but informs.

Eng. Zharko Garmanski, OTK, a dangerous informer.

Eng. Petya Zagorodski, OTK, a dangerous informer; it is said that he behaves decently to the prisoners.

There were also three other Russians in the mine, whose names are not known. Most of the Russians speak very good Czech.

28. Security Measures:

- a. There is one SNB man armed with an automatic and a pistol, with 2 - 3 hand grenades and a rocket pistol.
- b. There is a light machine gun on each corner tower.
- c. There is a telephone in each tower, and these are connected with one another and also with the commander of the guard detachment.
- d. There is one SNB and one works guard(sic).
- e. One SNB man patrols the slag heap during the day, and two men patrol at night.
- f. In the pit itself there is always a two-member SNB guard patrolling all the levels.

29. Morale among the civilians is variable. Some are satisfied, but there are enough who would gladly change their job, but are not allowed to do so. Among the prisoners, morale is poor; there is dissatisfaction with the work, the food, and the pay.

30. The civilians have their meals at home, only buying snacks in the canteen. The prisoners have their meals in the camp.

31. The civilians live in Horni Slavkov or in the neighborhood. The prisoners are housed in Prokop Camp.

32. The civilian employees have ten-minute political indoctrination lectures twice a week.

C. Pit No. 9, Horni Slavkov:

33. The pit lies about 1,400 m. SSE of the line circling Horni Slavkov to the south, and 700 m. east of the road leading from Horni Slavkov to Schoenfeld.

34. The pit area is surrounded by a double barbed-wire fence, about 3 m. high. The space between the fences is strewn with white sand.

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35. Employees:

- a. There are about 80 civilian employees in the pit, of whom three are women; there are also about 20 brigade workers and about 550 prisoners. These latter come from the camp near the Svatopluk Mine.
- b. Prisoners who work in Pit No. 10 also work in Pit No. 9. These, however, are not included in the figure given.

36. Mechanical Equipment:

- a. Main windlass with two motors, 42 Kwh, 720 revolutions, with automatic electric brake.
- b. Two cable drums, diameter 95 cm, and width 30 cm, with an 8-cm. rim and a single coupling mechanism. Emergency hand brake.
- c. Three water pumps, capacity 1,200 liters per minute, Zigmunt make.
- d. Three water pumps, capacity 1,000 liters per minute, Zigmunt make.
- e. One pump, capacity 1,000 liters per minute, and one pump, capacity 1,200 liters per minute, reserve.
- f. Three Russian pneumatic excavators.
- g. Two American pneumatic excavators.
- h. 170 small and large Czech drills.
- i. 160 American Floutman drills.
- j. 60 reserve drills of various kinds and origins.
- k. Four electric battery-operated locomotives, Czech.
- l. One 500-volt distributor. It is connected to a central transformer, which is about 150 m. from Pit No. 9, towards Pit No. 10 (in a southerly direction).
- m. Two pneumatic windlasses, USSR.
- n. Two compressors with two Siemens motors, 1,300 revolutions, 32Kwh.
- o. The mechanical equipment is mostly new.

37. The electrical power is brought from the transformer between Pits Nos. 9 and 10. This transformer is connected to the central Transformer II at the Leznice Mine. Consumption varies around 260 Kwh.

38. All the material used comes from the central store in Horni Slavkov.

39. There is only black and brown ore in the pit; about 70% brown and 30% black. The whole amount mined - including Pit No. 10 - is about 11,000 kg. per diem. Sixty-five percent of it is radio-active material and 35% ore.

40. The material is taken away by a Tatra 111 truck, which goes on an average of twice a day. All the material and the ore is taken to the sorting shop at the Barbora Mine.

41. There is a shortage of air in the lower levels, and of ore cars, also of electric current.

42. On the average, the Five-Year Plan is 80% fulfilled.

43. No information is available on wages since the currency reform.

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44. The head foreman is Jaromir Koudelka, who comes from Louny, a great drunkard, who persecutes the workers when under the influence of alcohol. There are three Russians in the mine, for Pits No. 9 and No. 10.
45. There is one works militia man in the gatekeeper's post, and a second member is by the windlass at the pithead. There is one SNB man (commander) in the gatekeeper's post, one in the pit, two on the north and south towers. All four towers are manned at night.
46. The civilian employees have their meals at home. The prisoners have their food in their camp.
47. The brigade workers live in Jansky Dum in Horni Slavov. The civilian employees live in the neighborhood of Horni Slavkov. The prisoners live in the camp at the Svatopluk Mine.
48. The prisoners in the pit have ten-minute political instruction lectures twice a week.

D. Pit No. 10, Horni Slavkov:

49. The pit is located about $1\frac{1}{2}$ km. south of the line circling Horni Slavkov on the south side, and 800 m. east of the road leading from Horni Slavkov to Schoenfeld.
50. The pit is surrounded by a barbed-wire fence about $3\frac{1}{2}$ m. high. The fence is double and the space between the two fences is strewn with white sand.
51. Eighty civilian employees work in the mine, no women. There are, on the average, 15 brigade workers in the mine. There are about 380 prisoners in the mine. They came from the Svatopluk Mine. Three shifts are worked.
52. Mechanical Equipment:
 - a. Three water pumps, 1,000 liters per minute, Siemens make.
 - b. Four water pumps, 1,200 liters per minute, Siemens make.
 - c. Three pneumatic windlasses, Czech.
 - d. Six battery-operated locomotives, CKD make.
 - e. 90 small and large drills, Czech.
 - f. 40 American Floutman drills.
 - g. One main windlass, CKD, two motors @ 43 Kwh, 720 revolutions, with electric brake.
 - h. One transformer, 3,000/500 volt.
 - i. Two Russian pneumatic excavators.
 - j. Three small American pneumatic excavators.
53. Electric current comes from the central Transformer I in the Barbora Mine. The consumption is 460 Kwh.
54. The material requirements are brought from the central storehouse in Horni Slavkov.
55. There is only brown and black ore in the mine. The ore is not brought to the surface, but is transported by tunnel to Pit No. 9, whence it is taken away. There is no access to Pit No. 10 for vehicles. Pit No. 10 yields about 25% more than Pit No. 9. The whole amount brought out of Pit No. 9 daily is about 11,000 kg. Of the whole amount of material brought out, 65% is radioactive material and 35% ore.

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56. The radioactive material and ore are taken by tunnel to Pit No. 9, whence they go by a Tatra 111 truck to the sorting shop in Barbora.
57. Shortage of current, and of air in the lower levels, and a shortage of ore cars to transport the material cause difficulty.
58. On the average, the Five-Year Plan is 80% fulfilled.
59. No information is available on wages since the currency reform.
60. There is always one member of the works guard on duty in the gatekeeper's post. During the day, there is one SNB man on the northwest and southeast towers, and at night each tower is guarded. There is always one SNB man in the pit.
61. The foreman is Lacko. (fnu). He was not at all popular with the prisoners.
62. Morale is good among the civilian employees, because they have good wages. Among the prisoners, morale is poor. They have not enough boots or clothes and their food is rather poor. When they arrive at the camp, they must remain a long time at roll-call.
63. The civilian employees have their meals at home. The prisoners are fed in the camp; the food is of average quality, but the quantity is very small.
64. The majority of the civilian employees live in Horni Slavkov. The prisoners are quartered in the camp at Svatopluk Pit.
65. The civilian employees have ten-minute political indoctrination lectures twice a week.

E. Prokop Mine, Zdar Buh Mine and Prokop Camp:

66. The area is located 500 m. west of the track which runs along the west side of Horni Slavkov. The whole area is about 450 x 320 m, and is rhomboid in shape.
67. The area is surrounded by a double barbed-wire fence about 3 m. high; the space between the fences is strewn with white sand. The individual pits and the prison camp are also separated from one another by barbed wire.
68. About 70 civilian employees and 350 prisoners worked in both pits, on three shifts. On average, there were about 8 - 10 brigade workers.
69. Mechanical Equipment:
 - a. There are about 140 pneumatic drills in use and about 80 in reserve; 220 drill stands.
 - b. One air compressor with two motors, electric, new.
 - c. One compressed-air tank for 6 atmospheric pressure units.
 - d. Two lathes in the mechanical workshop.
 - e. Two older windlasses.
 - f. Four pumps with 650 liters per minute capacity; electric, new.
 - g. Two pumps with 1,200 liters per minute capacity; electric, new.
 - h. One vacuum (air) pump.
 - i. Four commutators, of which two are RUT 3 and two RUT 1.
70. The electrical power came from the central Transformer No. 2 in the Barbora Mine, on a 500-volt line. Consumption 210 Kwh.

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71. Material requirements came from the central storehouses in Horni Slavkov. They were brought by a 6-ton Skoda truck.
72. A Tatra 111 comes once in 24 hours and loads, on an average, 100 barrels of material and ore. The average load is 70% radioactive material (radioactivity below 55%) and 30% ore (radioactivity over 55%). The barrels are filled with either 50 kg. radioactive material or 60 kg. ore. The output is taken to the sorting room at the Barbora Mine.
73. There is a shortage of electric current. The Ervenice line is overloaded by the opening of new pits.
74. The Prokop and Zdar Buh Mines fulfill the Five-Year Plan, on an average, 80-85%.
75. No information is available on wages since the currency reform.
76. Management:
- a. The mine comes under the 4th Inspectorate in Horni Slavkov. The head of the 4th Inspectorate is a Russian, Eng. Jeremenko, and his deputy is Bronislav Lesnovski, a Ukrainian.
 - b. The manager responsible for the Prokop and Zdar Buh Mines is head foreman Jezek. He was assigned to the mine in May 1953 from Bratrstvi, 5th District. 50X1-HUM
77. Between the fences there are guard towers, on which there is always one member of the SNB, who has pistols, an automatic and two or three hand grenades. There is a light machine gun on the corner towers. Each SNB has a rocket pistol.
78. Among the prisoners morale is poor, and they try to sabotage the work. There is dissatisfaction with the reward for work. Morale among the civilian employees is good, for their earnings are good.
79. The prisoners have a kitchen in the camp. The quality of the food is fairly good, but the quantity is small.
80. The prisoners live in the camp at the mine. There are six to twelve of them to a room. The beds are always in two tiers, and three to six of these two-tier beds to a room. The civilian employees live in the Jansky Dum in Horni Slavkov. Otherwise they live in their homes in the neighborhood. The brigade workers live either in the Hornicky Dum (Miners' House) or in the Jansky Dum in Horni Slavkov.
81. There is first and second-grade political instruction in the camp. In the first grade, basic instruction is given (Marxism-Leninism). In the second grade, contemporary political problems are studied. Every week a politically tendentious film is shown (most often Russian).
82. Technical instruction is always carried on once a week, for one to two hours, on work in the mines. It is given either by the head foreman or by a technical expert from the 4th Inspectorate. In addition, instruction is given in languages. The courses take place twice a week. Russian and English are taught. There is a school for illiterates and backward people in the camp.
83. There is a dramatic group in the camp which works on a political basis. It performs on an average of once a month. A recitation group prepares recitals for various celebrations. The prisoners have founded a camp orchestra which has 28 members. They play mostly classical music, and give a performance to an audience five to six times a month.

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84. The sports activity is poor; ping-pong, volleyball and football are played. Sometimes there is boxing. The leader responsible for the political and technical instruction and the cultural and sports activity is the cadre official Smolka. Among the prisoners, Karel Skala, a former member of the Voskovec and Werich Theatre, is responsible for the above-mentioned activities.
85. There are, on an average, 2,400 prisoners in the camp. Of these, 350 work in Prokop and Zdar Buh, 700 prisoners work in Pit No. 8, 650 in Barbora, 200 in the central workshops between Barbora and Prokop, 100 on the maintenance of the camp, 270 in Pits No. 15 and No. 7, and the remainder work on the roads, buildings and fences, etc.
86. The camp commandant is Staff Officer Novak (fnu), [REDACTED] 50X1-HUM

F. Pit No. 8, Horni Slavkov:

87. The pit lies about 400 m. south of the Prokop Mine and 900 m. southwest of the track skirting the west side of Horni Slavkov.
88. The pit area is surrounded by a double barbed-wire fence about 3 m. high. The space between the two fences is strewn with white sand.
89. There are about 200 civilian employees. Of these, 11 are women. On average, there are about 80 brigade workers in the mine. There are 700 prisoners in the mine who come from the prison camp at Prokop. Three shifts are worked; the shock-workers in the diggings work four shifts of six hours.
90. Mechanical Equipment:
- a. One Czech windlass with two electric motors, 42 Kwh, 1,800 revolutions, 50 Amp, rheostat starting mechanism, with electric brake.
 - b. Five pumps of 1,200-liters-per-minute capacity, Czech, CKD make.
 - c. Six pumps of 800-liters-per-minute capacity, Czech, CKD make.
 - d. Six electric battery-operated locomotives, CKI make.
 - e. 320 pneumatic drills, Czech.
 - f. 120 American pneumatic drills, Floutman make.
 - g. 440 stands for drills.
 - h. One 3,000/500-volt transformer.
 - i. Seven pit distributors, CKD.
 - j. Three air (pneumatic) drills.
 - k. Three Russian pneumatic excavators.
 - l. Two American EMK pneumatic excavators.
 - m. Three electric deep drills, Russian, up to 300 m.
 - n. One Russian pneumatic deep excavator.
 - o. Three Russian hydraulic deep drills, up to 600 m.
 - p. One horizontal pneumatic drill for sinking pits, Russian.
 - q. One electric pit winder for four levels, Czech.
 - r. The mechanical equipment is all new, manufactured after the war.

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91. Electrical current comes from the central Transformer No. II in the Barbora Mine on a 500-volt line. The consumption is on average around 300 Kwh.
92. All the material requirements come from the central storehouse in Horni Slavkov.
93. There is black, brown, and green pitchblende in the pit. The black pitchblende has the number 238.05, the brown the same number, and the green the number 240.07. The green pitchblende was found in the pit in 1950, but was not recognized as pitchblende and was thrown out onto the slag heap. Only in May 1951 was it recognized, and since that time it has been especially exploited and taken away by special transport. The green pitchblende is not found in the veins, but in pockets in dead material. It is interesting that the material through which run veins of black or brown pitchblende is 2-25% radioactive, whereas that in which the pockets of green pitchblende lie does not even show 2% radioactivity on measurement. The brown and black pitchblende is taken away every day by the regular trucks, while the green pitchblende is taken away immediately after it is mined, even though there may be only one barrel of it. Of the whole amount of pitchblende mined, on average, 45% is black, 30-35% brown, and 20-25% green. The main vein is Margareta, which runs from Leznice through Barbora and Pits Nos. 11, 8, 15, 7, 20, 21, and 22, where it does not end, but has not been followed further. The last newly opened pit is No. 22. About 18 tons of both radioactive material and ore are mined in 24 hours.
94. On an average, 10 Tatra 111 trucks run per week. They take generally about 50% radioactive material and 50% ore. All the brown and black ore is taken to the sorting shop at the Barbora Mine. The green ore is also taken away in a Tatra 111, which has, however, a special marking. It has a white band 5 cm. wide along the body about window height. This ore is taken straight to the drying rooms in Horni Zdar, but it is not sent by train to the USSR. These specially marked trucks have been seen in Karlovy Vary going in the direction of the airfield, so it is possible that the ore is taken away by plane. This ore is not packed in barrels, but in crates containing 50 kg. These crates have a red metal band round them, sealed with lead.
95. There is a shortage of air, especially in the lower levels. There is a shortage of electric current, because some new mines have lately been opened and the network is overloaded. There is a shortage of ore cars and drilling tools; the mine has practically no reserve drills.
96. The pit fulfills the Five-Year Plan on an average up to 111%.
97. The wages are the best in the region, because there is the best output of ore here. The average net earning of a civilian employee is reported to be 7,000 Kcs. per month.
98. The pit comes under the central management of the 4th Inspectorate. Bronislav Lesnovski, and Vlasenkov (son of the head of the 1st Inspectorate) are members of the Russian management. The chief Czech manager, Eng. Brounek, from Klatovy, is a Communist, and fond of splitting hairs.
99. Security Measures:
 - a. Around the mine there are guard towers about seven meters high. There is a constant guard on them.
 - b. There is always a unit of 12 SNB men, and one dog.
 - c. Three members of the works militia are on duty.
 - d. In the gatekeeper's post there is one works militia member and one SNB man.
 - e. In the storehouse for barrels of ore, there is always one works militia member.

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100. Morale is good in the pit, for both civilians' and prisoners' wages are high.
101. The prisoners have their meals in their own kitchen in the Prokop Camp. The civilians mostly have their meals at home.
102. The civilians are housed in the Jansky Dum and the Hornicky Dum (Miners' House), or privately in the neighborhood. The prisoners live in the Prokop Camp.
103. There are ten-minute political instruction lectures several times a week (at no fixed time).

G. Pit No. 11, Horni Slavkov:

104. The pit is located about 1,200 m. northwest of Horni Slavkov and its north-west fence is four meters southeast of the edge of a spur of wood.
105. The pit area is surrounded by a double barbed-wire fence. The space between the two fences is strewn with white sand.
106. About 120 civilian employees work in the pit, of whom 12 are women. There are about 650 prisoners in the mine, from Camp No. 12. There are about 30 brigade workers in the mine.
107. Mechanical Equipment:
 - a. Four water pumps, capacity 1,200 liters per minute, Czech.
 - b. Two water pumps, capacity 800 liters per minute, Czech.
 - c. Two water pumps, capacity 650 liters per minute, Russian.
 - d. Eleven electric battery-operated locomotives, CKD.
 - e. Four Czech pneumatic windlasses.
 - f. Four Russian pneumatic excavators.
 - g. Three American pneumatic excavators, EMK.
 - h. One Russian deep pneumatic excavator.
 - i. 300 large and small Czech drills.
 - j. 170 American Floutman drills.
 - k. Three electric drills for deep drilling to 300 m, Czech.
 - l. Two pneumatic deep drills up to 1,000 m, Czech.
 - m. One main CKD surface windlass, 42 Kwh and 720 revolutions per minute, with electric brake.
 - n. One CKD transformer, distributing to four pits, also step-up; 500 volts.
 - o. One transformer-converter for the mechanical equipment; 500 volts.
 - p. One transformer for the pit tower, compressor room, and pumps.
 - q. Two compressors for six atmospheric pressure units; Siemens, 32 Kwh, 1,600 revolutions.
 - r. One dynamo with a diesel engine, 110 volts. Only for emergency lighting. Batteries for the interval till the emergency lighting starts running (220 volts).
 - s. Four reserve electric motors in the storehouse, for the 1,200-liters-per-minute pumps.

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t. One telephone switchboard is situated in the OTK.

108. The electric current comes from the central Transformer II at the Barbora Mine. The average consumption is about 470 Kwh.
109. All the material requirements are brought from the central storehouses in Horni Slavkov. The wood comes from the nearby forest.
110. There is brown and black pitchblende in the pit, and in 1951 red pitchblende was also found. Of the whole output, 45% is black, 35% brown, and 20% is brick-red. Ten to twelve thousand kg. of ore and radioactive material is mined daily. Of this, 60% is radioactive material and 40% ore. The red pitchblende is only found in pockets. It is found only on the 1st and 2nd levels. It has the number 240.07. The hardness of the rock in which it is embedded is 11. In Pit No. 11 it was found in a tunnel connecting it with Pit No. 14, where they came upon it $\frac{1}{2}$ m. below the surface when blasting a base for the pit tower.
111. The black and brown ore and the radioactive material are taken away daily in two Tatra 111 trucks to the sorting room at the Barbora Mine. The red ore is taken away after each shift, if any has been found, even if there is only one or two barrels of it. It is taken to the drying rooms in Horni Zdar, and thence to Karlovy Vary, and probably by air to the USSR. It is packed in wooden crates of 50 kg, with a red steel band around them, which is sealed.
112. There is a shortage of drills and borers, and a shortage of air in the lower levels. There is a shortage of current because the network is overloaded by the opening of new pits. There is a shortage of empty ore cars for taking away material.
113. On the average, the Five-Year Plan is fulfilled to 85%, and infrequently, 100%.
114. No information is available on wages since the currency reform, but they are believed to be fairly high.
115. The mine comes under the 4th Inspectorate in Horni Slavkov. The overseers were: Havlicek (fnu), a Communist, an agreeable person and very popular, who used to help the prisoners; and Matejka (fnu), a Communist, who treated the prisoners quite well and was popular.
116. There is always one member of the works militia in the gatekeeper's post. Two members of the works militia are always on guard where the ore is taken away. In addition, there are always nine SNB men in the mine. Of these, five are always on the towers, two patrolling the camp and two in the pit. The guard always has three dogs. The SNB are normally armed with one pistol and an automatic. The guard on the tower has one pistol, one automatic, a rocket pistol and two to three hand grenades.
117. Among the civilian employees in the mine, the morale is good, for they earn good money.
118. The civilian employees have their meals at home, and only buy snacks in the canteen. The prisoners eat in their camp.
119. Most of the civilians live in Schoenfeld. Only a small number live in Horni Slavkov and the neighborhood.
120. There are ten-minute political indoctrination lectures two or three times a week. Once a month there is a works meeting, where working morale is examined and shock groups are signed on.

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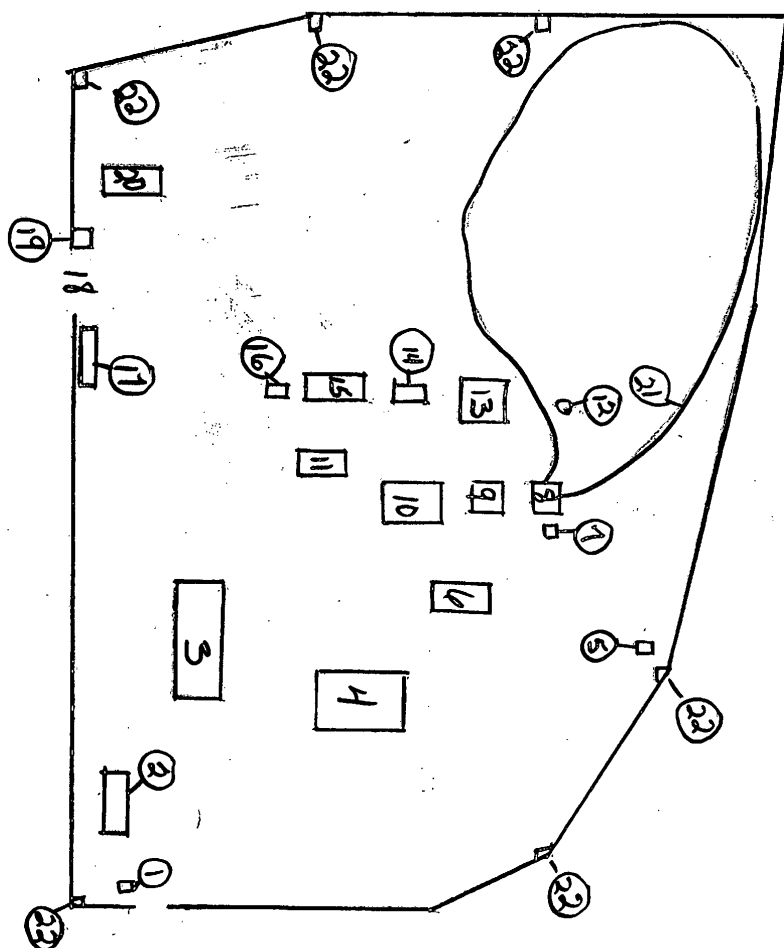
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Barbora Mine - Horni Slavkov



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Legend to the Plan of Barbora Mine, Horni Slavkov

1. Gatekeeper's post. There is one SNB and one works guard in it, who control delivery and removal of ore. Brick, height 3 m.
2. SNB offices. Although the guards wore SNB uniform, they were believed to be StB. There are also Russians in these offices. The OTK (Expert Technical Control), the sorting room, and the delivery and removal of ore was controlled by the SNB offices. The hut is brick, height $3\frac{1}{2}$ m.
3. OTK offices, storehouse of sorted ore ready for removal. Brick, height 4 m.
4. Sorting shop and storehouse, brick, height about 5 m.
5. Transformer, brick, height 5 m.
6. OTK offices, brick, height $3\frac{1}{2}$ m.
7. Old lamp shop, now a storehouse for material for surface workers, on a slag heap. Brick, height about 3 m.
8. Pit and pit-head tower. The tower is 18 m. high, built for a load of 85,000 kg. The pit has six levels and a seventh is being sunk. The seventh level is at a depth of 410 m.
 - a. 1st level- probably not connected with anywhere else. Only civilian employees work here.
 - b. 2nd level- connected by a tunnel to the west with Prokop Mine, and by a tunnel to the east with Svatopluk Mine.
 - c. 3rd level- connected by a tunnel to the west with Prokop Mine and Pit No. 8, and by a tunnel to the east with Leznice.
 - d. 4th level- connected by a tunnel to the southeast with Svatopluk and Pits Nos. 9 and 10, and by a southwest tunnel with Pit No. 12.
 - e. 5th level- connected by a west tunnel with Pits Nos. 8 and 11, and probably by a northeastern tunnel with Pit No. 13.
 - f. 6th level- west and east tunnels are being dug. The west tunnel is to be connected with Pit No. 8, and they were waiting to finish it till Pit No. 8 had been made sufficiently deep.
 - g. 1st level- a large number of shafts, some of them going up to the surface (estimate: 60). Civilians worked there and prisoners were not allowed on the 1st level because there were good possibilities for escape.
 - h. 2nd level- this has 22 ore shafts, and 14 cuttings. The Margareta vein runs to the tunnel connecting the pit with Prokop (this is the BZ tunnel).
 - i. 3rd level- has 19 ore shafts and 12 cuttings.
 - j. 4th level- has 16 ore shafts and 11 cuttings.
 - k. 5th level- has 14 ore shafts and 7 cuttings.
 - l. 6th level- has 8 ore shafts.
9. Windlass, brick building, height 4 m.
10. All the workshops with a storehouse for the material required; brick, one story.

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11. Lamp shop, wooden, height 3 m. There is also a marking shop.
12. Tank for compressed air. Height 4.50 m., diameter 160 cm.
13. Compressor room. Two compressors. Wooden, height 3 m.
14. Pit foreman's office. Wooden, height 3 m.
15. Canteen, boiler house, works council office, changing room, bathroom.
Brick, raised ground floor.
16. Pit head foreman's office. Wooden, height 3 m.
17. Office and quarters of SNB doing guard duty at the pit. Wooden, height 3 m.
18. Gate- entrance for employees, and delivery of material.
19. Guard post - gatekeeper's post. Works guard and SNB. Wooden, height 3 m.
20. Quarters for SNB doing guard duty on towers, watching transport. Wooden,
height 3 m.
21. Track to slag heap.
22. Guard towers, about 7 m. high, wooden.

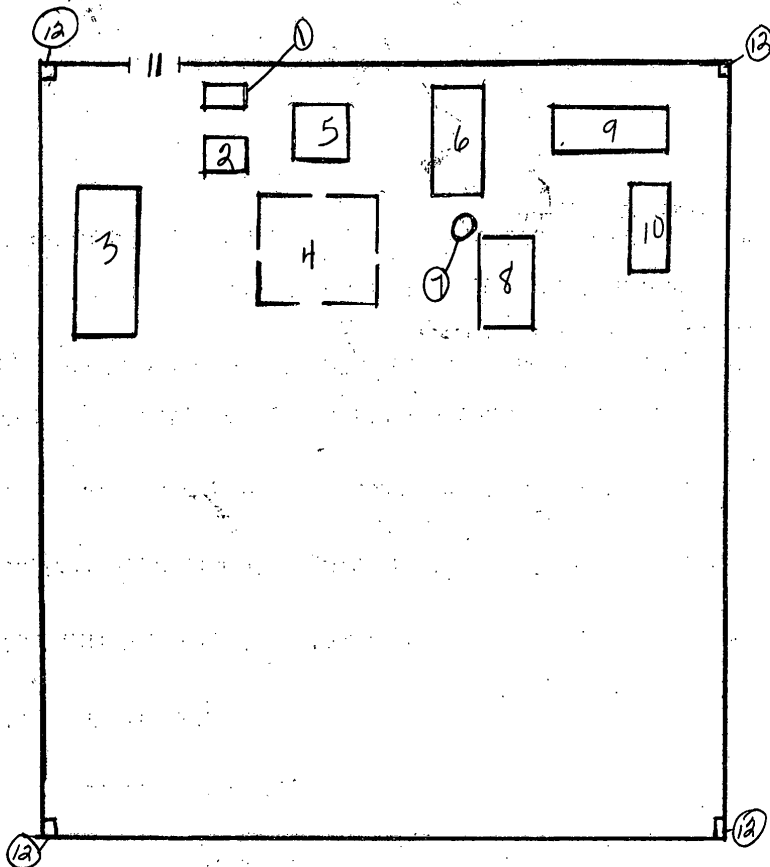
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Pit No. 9 - Horni Slavkov



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Legend to the Plan of Pit No. 9, Horni Slavkov

1. Gatekeeper's post, wooden, height 3 m.
2. Compressor room with distributor, wooden, height 3 m. Built on a concrete base 1 m. high.
3. Mechanical workshops, storehouses for material, and office for the workshops. Wooden, height 3 m.
4.
 - a. Pit and pit-head tower. The tower is 16 m. high. The pit has 3 levels and a fourth is being sunk.
 - b. The 1st level is connected with Svatopluk Mine by a northeast tunnel and with Pit No. 10 by a south tunnel.
 - c. The 2nd level is connected by a northwest tunnel with Barbora Mine and by a south tunnel with Pit No. 10.
 - d. The 3rd level is connected by a northeast tunnel with Leznice Mine, and by a southwest tunnel with Pit No. 18.
 - e. On all levels, there are altogether about 30 ore shafts and 19 cuttings. The principal vein of ore is the Margareta vein.
5. Windlass and engine. Two motors @ 42 Kwh, 720 revolutions, electric brake. Wooden building, height 4 m.
6. Lamp shop and foreman's office, wooden, height 3 m.
7. Tank for compressed air. Height 280 cm., diameter 140 cm.
8. Carpentry shop. Wooden, height 3 m.
9. Storehouse for material (clothes, boots, helmets, cables, fuses, switches, tools, and so on). Wooden, height 3 m.
10. Offices for management and Russians (for Pit No. 10, also). Wooden, height 3 m.
11. Gate - wooden, interwoven with barbed wire.
12. Guard towers - about 7 m. high.

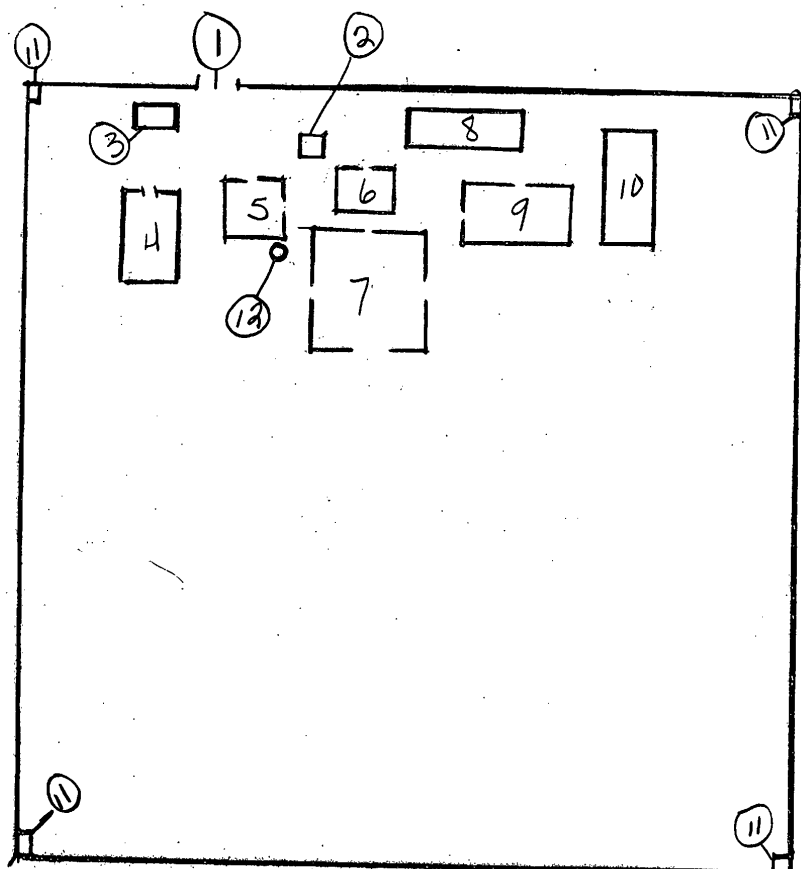
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Pit No. 10, Horni Slavkov

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Legend to the plan of Pit No. 10, Horni Slavkov

1. The gate is wooden, interwoven with barbed wire.
2. Lamp shop, wooden, height 3 m.
3. Guard post, wooden, height 3 m.
4. Offices, wooden, height 3 m. Foremen and head foreman/work here.
5. Compressor room. In this building there is a distributor for current for the machines. Wooden, height 4 m.
6. Windlass and engine. Brick building, height 4 m.
7. Pit. The pit-head tower is 16 m. high.
 - a. The pit has 3 levels in all and a fourth is being sunk .
 - b. The 1st level is connected by a northeast tunnel with Svatopluk Mine, through Pit No. 9. It is connected by a southwest tunnel.
 - c. The 2nd level is connected by a northeast tunnel with Pit No. 9, and by a west tunnel with Barbora.
 - d. From the third level, tunnels have been dug to Pit No. 8 and Leznice.
 - e. There are 27 ore shafts altogether in all the levels.
 - f. There are 18 cuttings on all levels.
8. OTK offices, cloakrooms, wooden, height 3 m.
9. Mechanical and tinsmith's workshop. Wooden, height 3 m.
10. Storehouse for material requirements (drills, borers, shanks for lathes, mining equipment, boots, helmets, etc.). Wooden, height 3 m.
11. Guard towers, height 7 m., wooden.
12. Tank for compressed air. Height 350 cm, diameter 150 cm.

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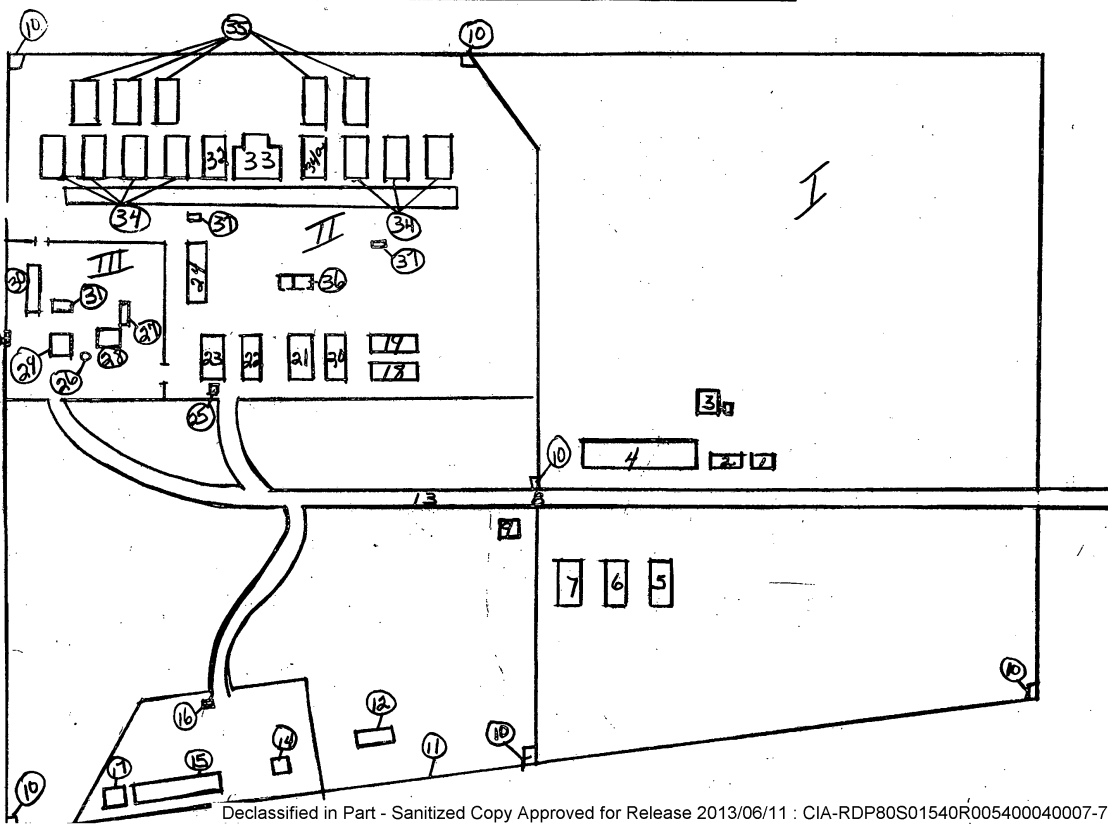
Prokop and Zdar Buh Mines and Prokop Camp

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Legend to the Plan of Prokop and Zdar Buh Mines and Prokop Camp

- I. Prokop Mine.
- II. Prokop Camp (prison camp).
- III. Zdar Buh Mine.

1. Storehouse for essential tools, wooden, height about 3 m.
2. Lamp shop. Wooden, height about 3 m.
3. Pit-head tower - pit. Wooden tower, about 7 m. high. The pit has four levels, and reaches a depth of about 270 m. It is being sunk deeper.
 - a. 1st level - this is connected by a west tunnel with the Zdar Buh Mine. The east side of the 1st level is connected with Barbora Mine. The 2nd level is connected by an eastern tunnel with Barbora Mine. The 3rd level is connected by a SSW tunnel with Pit No. 8.
 - b. On the west side, the 1st level has 11 ore shafts, on the east side, seven shafts. These are the only shafts which are being worked.
 - c. The 2nd level has five ore shafts on the east side. On tunnel F 61, there are seven of them.
 - d. The 3rd level has five ore shafts on the south side.
4. Personnel department, marking shop, food store, technical department, pit foreman's office. Wooden, height 3 m.
- 5.- 7. SNB living quarters, wooden huts, height 3 m. About 85 SNB men live here. In hut No. 5, there is also a telephone switchboard and the headquarters of the guard detachment's office.
8. Gate into the camp, wooden frame interwoven with barbed wire.
9. SNB guard post. Wooden, height 3 m. It has only 2 rooms, in one room there is a guard controlling the entrance and exit of prisoners, and in the other the guards' dining room.
10. Guard towers. There are 8 of these in all, connected by telephone with one another and the guard headquarters. The towers are placed between the fences, wooden constructions about 7 m. high.
11. Double barbed-wire fence.
12. Storehouse for hand tools for the camp (shovels, picks, etc.). Wooden, height 3 m.
13. Road, branch road from the main road from Barbora to Pit No. 7.
14. SNB stable. One horse, sometimes pigs. Wooden, height 3 m.
15. StB office, camp commandant's office, and flat. Camp administration (prisoners work here). Wooden, height 3 m.
16. Cage with two compartments at the entrance to the prison camp.
17. Storehouse for blankets, gasoline, motorcycle tires, garage for motorcycle. Wooden, height 3 m.
18. - 19. Prisoners' living quarters, wooden huts, height 3 m. An alleyway leads between the huts.
20. Kitchen and food storehouse for the prisoners. Wooden, height 3 m.

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21. Canteen for the prisoners. They can buy things here for camp coupons.
22. Wooden hut where the leaders of working brigades (prisoners) are housed. Wooden, height 3 m.
23. Wooden hut in which SNB leaders and men are housed.
24. Wooden hut where there is a barber, laundry, bathroom, and washroom.. The people who work in this hut also live in it.
25. Gatekeeper's post at the entrance to the camp. There is only one old prisoner here to collect the prisoners' tallies when they go to work and return them to them when they come back to the camp.
26. Tank for compressed air and compressor. Tank for about 6 atmospheric pressure units.
27. Machine-tools workshop. Wooden, height 3 m.
28. Joiner's shop and storehouse for wood. Wooden, height 3 m.
29. Pit tower and pit head. The tower is about 7 m. high. The pit has one level. This is an auxiliary pit tower for Prokop Mine. It is connected with Pit No. 8 by a south tunnel, and the tunnel is closed by a trap door. An east tunnel connects the pit with Prokop Mine. There are some shafts on the east, which are no longer being worked.
30. Storehouse for material requirements for the mine. Wooden, height 3 m.
31. Office for the foreman of Zdar Buh. Wooden, height 3 m.
32. Prison hospital. Half of this hut is ordinary living quarters. Wooden, height 3 m.
33. Amusements hut (literally, "House of Culture" - movies, theater, etc.). Wooden, height about 8 m. On the north side there are quarters for the camp band.
34. Prisoners' living quarters. Wooden huts, height 3 m.
- 34a. Quarters for the prisoners who lead the political and cultural activity in the camp.
35. Prisoners' quarters built in 1952. Wooden, height 3 m.
36. Storehouse for hand tools (axes, picks, stoves, etc.). In the eastern part of this hut there is the camp jail.
37. Prisoners' lavatories.

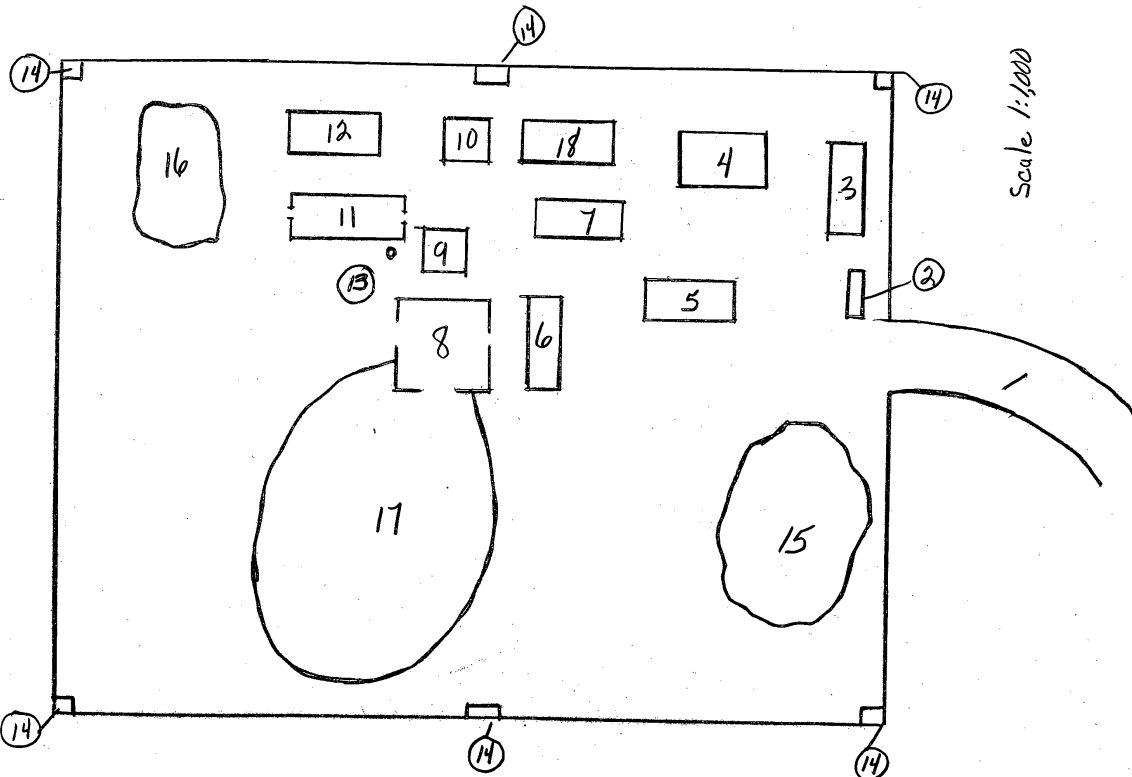
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Pit No. 8. Horni Slavkov



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Legend to Sketch of Pit No. 8, Horni Slavkov

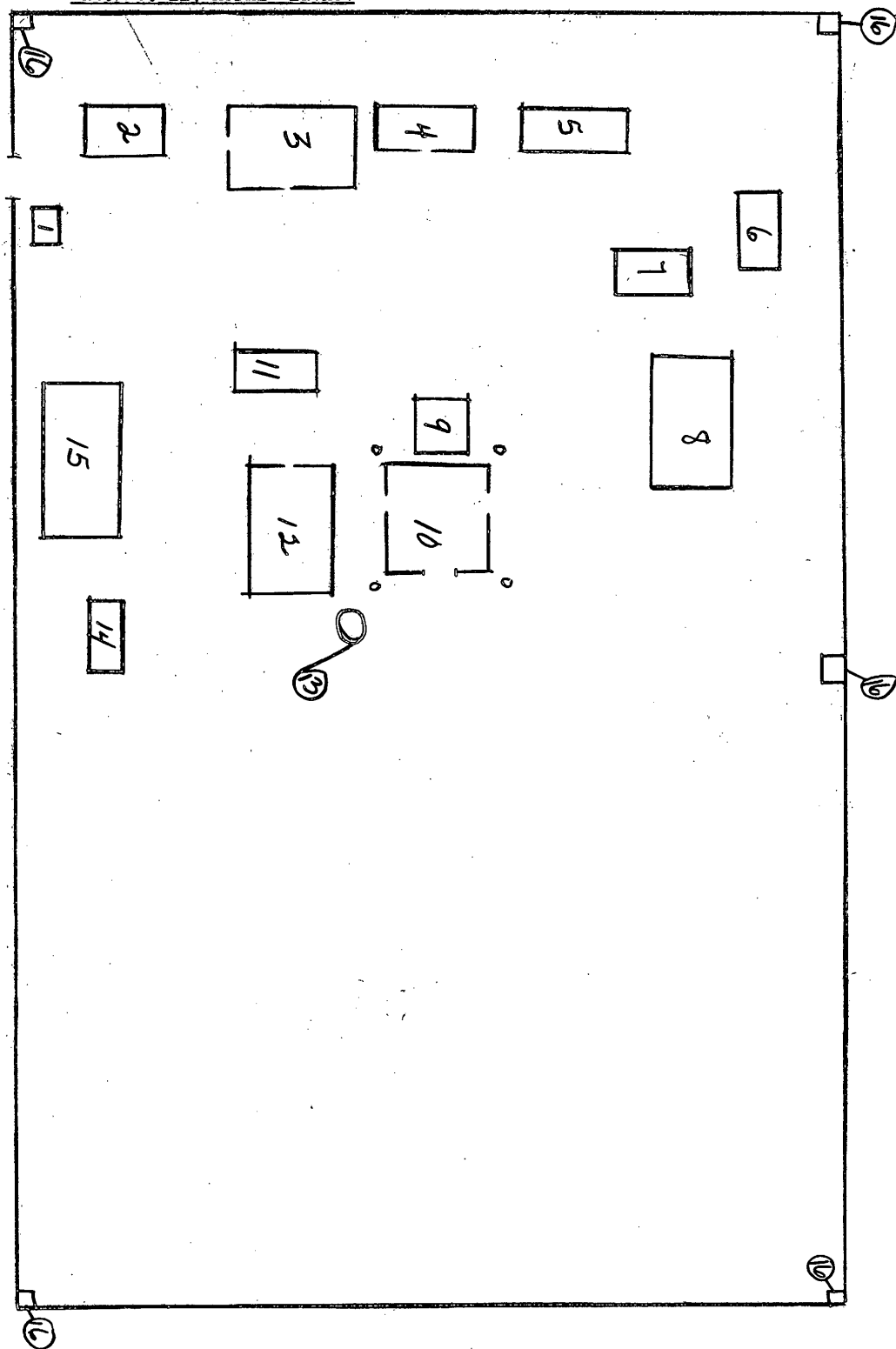
1. Entrance to the pit, a wooden gate interwoven with barbed wire.
2. Gatekeeper's post - works guard sentry post. Wooden, height 3 m.
3. Hut for SNB guard and works militia. Wooden, height 3 m.
4. Storehouse for material requirements. Wooden, height 3 m.
5. Lamp shop and tally issue shop. Wooden, height 3 m.
6. Storehouse of ore in barrels, overseer's office. Brick, height 4 m.
7. Mechanical repairs and electrical workshops. Partly brick, height 3 m.
8. Pit tower and pit. The pit-head tower is new, 20 m. high.
 - a. The pit has seven levels. Four of these are being worked, the lower three are being prepared for the opening of shafts.
 - b. On the 1st level, the pit is connected by a north tunnel with the Zdar Buh Mine.
 - c. It is connected with Pits Nos. 11 and 15 by a west tunnel.
 - d. On the 2nd level, the pit is connected by an east tunnel with Barbora, and a branch off this tunnel goes to Pit No. 17, in a southerly direction. The branch goes off about 400 m. from the main shaft.
 - e. The 3rd level is connected by a WSW tunnel with the branch to the 2nd level of Pit No. 13.
 - f. From the 4th level, tunnels are being dug westward to Pit No. 15, southward to Pit No. 18, eastward to Pits Nos. 9 and 10.
 - g. The 1st level has 17 ore shafts.
 - h. The 2nd level has 11 ore shafts.
 - i. The 3rd level has 36, and on the 4th level there are about 15 ore shafts.
9. Windlass. Brick building, height about 4 m.
10. Technical administration offices, Russian engineers. Brick, height about 4 m.
11. Compressor room, storehouse of oil and crude oil for the compressor room. Brick, height about 4 m.
12. Joiner's shop, wooden, height about 3 m.
13. Tank for compressed air - six atmospheric pressure units. Height 422 cm., diameter 122 cm.
14. Guard towers. 7 m. high.
15. Store for wood, in open air.
16. Open air storehouse for rails, air tubes and water pipes, and metal material.
17. Track to slag heap.
18. Canteen. Brick, two-story. In this building there is a bathroom, changing room, boiler room, and office of the works council.

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Pit. No. 11, Horni Slavkov



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Legend to Sketch of Pit. No. 11, Horni Slavkov

1. The guard post is wooden, about 3 m. high. In one half of the building there is the guard post and in the other the marking shop.
2. Lamp shop and tinsmith's shop. Wooden, height 3 m.
3. Offices of the foreman of the mechanical repairs shop, the foreman, and the planner. Wooden, height 3 m.
4. Joiner's workshop. In the eastern end of this building, there is a storeroom for miners' clothes and boots, and mechanical and electrical material. Wooden, height 3 m.
5. Mechanical repairs and electrical workshops. Wooden, height 3 m.
6. Forge. Brick, height about $3\frac{1}{2}$ m.
7. Storehouse for material requirements (drills, stands, batteries, packing, joints for pipes). Wooden, height 3 m.
8. Canteen, boiler house, changing room. Brick, raised ground floor.
9. Pit windlass. Brick building, height 4 m.
10. Pit-head tower and pit. Height 18 m., brick-walled to a height of 4 m. The pit has four finished levels and a fifth is being sunk.
 - a. The first level is connected by a southwest tunnel with Pits Nos. 8 and 15 and by a north tunnel with Pit No. 14.
 - b. The 2nd level is connected by a northeast tunnel with Pit No. 12, and to the east with Prokop and further on, with Barbora.
 - c. The 3rd level is connected by an east tunnel with Pit No. 13 and by a west tunnel with Pits Nos. 15 and 7.
 - d. The 4th level is connected by a north tunnel with Pits Nos. 13 and 14. A southwest tunnel is under construction and stretches in the direction of Pit No. 18 or 16.
 - e. The 1st level has 16 ore shafts.
 - f. The 2nd level has 20 ore shafts.
 - g. The 3rd and 4th levels have about 30 ore shafts.
 - h. The 1st level has nine northern cuttings and eight southern ones.
 - j. The 3rd and 4th levels have about 20 cuttings in both directions.
11. Russians' office. In addition, a small dynamo for emergency lighting of the mine. Wooden, height 3 m. The dynamo is driven by a crude oil engine.
12. Compressor room with an electrical distributing station and a compressor (mechanical distributor).
13. Tank for compressed air. Height 3.5 m., diameter 132 cm.
14. Transformer and lighting distributor. Brick, height 5 m.
15. OTK Technical Administration. Brick, height $3\frac{1}{2}$ m.
16. Guard towers, about 7 m. high, wooden.

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